

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: john <johnmb@nando.net>
Subject: --{WTB:9 Pin plugs}--
Message-ID: <9601211344.AA12967@merlin.nando.net>

Boatists,
I need to buy about a half dozen octal plugs (shells too, if you
have 'em) to complete interconnect cables for some Heath boxes.

If you have some to sell, please contact me at:

John Brewer johnmb@nando.net
WB50AU/4 AMI #24

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: Re: --{WTB:9 Pin plugs}__
Message-ID: <01I0A9099JYW002NW5@ACS.EKU.EDU>

John : you wrote:

Boatists,
I need to buy about a half dozen octal plugs (shells too, if you
have 'em) to complete interconnect cables for some Heath boxes.

-- So which is it - NINE pin plugs or EIGHT pin (octal) plugs?

73, Al N5AIT
modsteph@acs.eku.edu

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: DUBY TODD <dube2@mci.newscorp.com>
Subject: 6AL5
Message-ID: <199601212041.PAA01347@camus.delphi.com>

Sandy Blaize wrote:

>I've always had pretty good luck with 6C4's! World's BEST radio tube has
got to
>be the 6AL5 or its father, the 6H6. In "normal" applications., they NEVER
go bad!

Wait. The 6AL5 (and 6H6) is a dual diode. Heater, cathode, plate. What's to go wrong? It'll still work, even if the emission drops to practically nil. :-)

73

Dube Todd

AB5AP

dube2@mci.newscorp.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: jproc@worldlinx.com
Subject: 6C4 and Others?
Message-ID: <Chameleon.4.01.2.960120114014.jproc@>

Dear BA's,

Many thanks to all the people who exposed the shortcomings of the 6U8. Being forewarned, I checked the 6U8 being used as a VFO in my KW2000 transceiver and the 6U8 that I had in stock. Guess what? - both failed the leakage test. Needless to say, they have both been turfed, but the two stock 5U8's tested good and I decided to keep these for the time.

Personally, I would like to nominate the 6C4 type to the same scrap yard as the 6U8. A while back, I ran into leakage problems from this type while trying to repair an SP600 and I also remember seeing posts from others who had local oscillator problems which were fixed by replacing 6C4's.

What is the collective vote from the group on the 6C4 type? Let's take this a step further. Are there any other common type types which have demonstrated a troublesome track record? Are there suitable replacements?

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: Sandy Blaize <70401.134@compuserve.com>
Subject: 6C4 and Others?

Message-ID: <960121061959_70401.134_IHD63-2@CompuServe.COM>

I've always had pretty good luck with 6C4's! World's BEST radio tube has got to be the 6AL5 or its father, the 6H6. In "normal" applications., they NEVER go bad! 73,
Sandy W5TVW

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: 6C4 and Others?
Message-ID: <199601210725.BAA19400@zoom.bga.com>

As Sandy Blaize said

>
> I've always had pretty good luck with 6C4's! World's BEST radio tube has got to
> be
> the 6AL5 or its father, the 6H6. In "normal" applications., they NEVER go bad!
Hate to tell you, but I replaced a sick 6H6 in my Hallicrafters S-36A last year. Also, my Magnavox console has a 6SQ7 with a 1N34 across one of the diodes, which doesn't conduct (it's a script tube).

For long-lasting tubes, I nominate 56, 57, and 58. I don't think I ever replaced one. 6C6 and 6D6 are not far behind.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: 6C4 and Others?
Message-ID: <Pine.ULT.3.91.960121142826.1430B-100000@admin.aurora.edu>

On Sun, 21 Jan 1996, Henry van Cleef wrote:

> For long-lasting tubes, I nominate 56, 57, and 58. I don't think I
> ever replaced one. 6C6 and 6D6 are not far behind.

I agree, Hank. A lot of the old jobs seem to last forever, maybe an inverse proportion to their transconductance? :-)

A while ago someone gave a list of miniature tubes to try in the front

end of a SP-600. I had some of them and tried them all in the 1st RF amp of my HRO. Boy was I sorely disappointed. Not one brought the S-meter up anywhere near where the 6D6 does. I know, more AGC developed does not necessarily mean a lower noise figure, but I was seeing as much as 30 dB less gain with other tubes. I haven't tried this in my SP-600 yet.

73 de Bob, K9EUI

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Re: 6C4 and Others?
Message-ID: <199601212201.0AA03462@hobbes.UCSC.EDU>

From 70401.134@compuserve.com Sat Jan 20 22:36:15 1996
Date: Sun, 21 Jan 1996 00:36:15 -0600 (CST)
Errors-To: listown@jackatak.theporch.com
Reply-To: 70401.134@compuserve.com
Originator: boatanchors@theporch.com
Sender: boatanchors@theporch.com
Precedence: bulk
From: Sandy Blaize <70401.134@compuserve.com>
To: Multiple recipients of list <boatanchors@theporch.com>
Subject: 6C4 and Others?
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com

I've always had pretty good luck with 6C4's! World's BEST radio tube has got to be the 6AL5 or its father, the 6H6. In "normal" applications., they NEVER go bad!
73,
Sandy W5TVW

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: amman@airmail.net (Robert)
Subject: 6M transverter for Tempo-one?
Message-ID: <199601220310.VAA29427@server.iadfw.net>

Has anyone have any info on the Henry radio Tempo-one?is a 6 meter ssb transverter available?The Tempo-one and the Yaesu FT-200 are one in the same I think.My Tempo has a "RF OUT"jack on the back,which is the output of the driver stage before the final amp tubes.
If you can give me some input please E mail to (amman@airmail.net)

Thanks & 73's
Robert KC5RYI

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: lkayser@WorldLink.ca (Larry Kayser)
Subject: 75A2 & 32V2 Information
Message-ID: <9601220433.AD13551@beacon.WorldLink.ca>

Well hanging around this list has finally gotten me into serious trouble. I started out looking for a tube socket and an old Millen exciter and I have slipped seriously. This Boat Anchor stuff is infectious. Each of you who make this list fun and interesting are jointly and severly responsible in some way. It is only fair that I now ask you for some help.

Today I acquired a 75A2 and a 32V2. Yes, the 'V2 is really heavy. I have not seen one of these pre SSB rigs for at least 38 or more years.

Tonight I found a blown fuse in the 'A2, probably I have not found what blew it. After some work, removing a broken 12AT7, I managed to get the filaments running, but there is no +HTV present. The terminal strips on the back suggest there is room for mischief - what should be connected or shorted to what please?

Label is as follows

MUTING STANDBY
M G 1 2

The Audio output has
AUDIO
P G 4 500

I can guess the G, 4 and 500 but what does the "P" stands for.

The 'V2 has wires coming from Terminals #24 and #25, which is Receiver Disable, and the Terminal Strip has shorted terminals between Terminals 1 and 2, 3 and 4, 8 and 9, with wires coming from Terminals 6 and 12 which go some where.

Last but not least, Manuals, were can I get a good copy? I am going to need these, the dial control cord has come off on the 'A2 and the V2 has a mess in the wiring of the band select lamps.

The 75A2 S/N is 1432, the 32V2 S/N 1603 is for those who are tracking such things...

These radios have been in a barn for many years, the filth and grime is very determined to stick to all the horizontal spaces. What will take it off cleanly? Can the cleaning be done without sacrificing the red label on the the PT0? It looks like I need to take a short course, such as, Cleaning 101 - who will show me the way?.

Larry
va3lk / wa3zia

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: ? reforming electrolytics ?
Message-ID: <199601211544.JAA20550@ns.cyberhouse.com>

How slowly and to what % of rated voltage should dc be applied to electrolytics in reforming them?

thanks,
Phil
Phil Mills, AB5TH
pmills@cyberhouse.com
713-482-2763

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: mirage!pamars@uhura.neoucom.EDU (P.A.Marshall)
Subject: Re: ? reforming electrolytics ?
Message-ID: <9601212251.AA12949@mirage>

Phil Mills writes:

>

> How slowly and to what % of rated voltage should dc be applied to
> electrolytics in reforming them?

>

I use a current limited supply and run the voltage up until I have 5ma of leakage, when it falls to around 1ma or so, I run it up to 5ma again, and continue this untill I get to the working voltage. I happen to have a box w/ everything built it it, if you are planing on doing this on a regular basis it might pay to put a meter and a voltage divider in a box and use your bench supply to run it. the

meter can be used for current and voltage measurement with just a little switching.

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org
1+219.665.5072 Mirage Computers, Inc.

As nightfall does not come at once, neither does oppression. In both instances, there is a twilight when everything remains seemingly unchanged. And it is in such twilight that we all must be most aware of change in the air--however slight--lest we become unwitting victims of the darkness.

Justice William O. Douglas

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: ? reforming electrolytics ?
Message-ID: <199601212348.RAA10136@zoom.bga.com>

As Phil Mills said

>

> How slowly and to what % of rated voltage should dc be applied to
> electrolytics in reforming them?

>

To reform electrolytics, you want a current source. That is a voltage with a lot of resistance in series with it, to limit the current. The voltage should be the maximum voltage the cap will see in service, plus a little.

Since most of the resistors I have around here are 1 watt, for starters I pick a value that will dissipate 1 watt with the full power supply voltage across it. As the voltage comes up, I shunt that resistor, to stay at 1 watt. In actuality, I think that 100 μ A/mfd. is low enough to prevent excessive heating when reforming. For power supply caps, I generally just disconnect the B+ bus behind the cap, and run the rectifier open circuit. This generally gives the maximum voltage plus a safety factor. Of course, a choke input circuit, or other circuits with bleeders to hold the voltage down, or heater-cathode rectifiers, need some consideration about maximum voltage.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996

From: john <johnmb@nando.net>
Subject: Arrghhh! => WTB _8_ pin plugs
Message-ID: <9601211827.AA11065@merlin.nando.net>

Arrghhhh! I shouldn't post before coffee!

I am looking for octal - 8 pin - plugs to interconnect
my Heath Big Green Box station (Apache, Mohawk, Marauder).

Sorry for engaging fingers before brain...
/john

John Brewer johnmb@nando.net
WB50AU/4 AMI #24

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: dma@IslandNet.com (Jan Skirrow)
Subject: Re: Arrghhh! => WTB _8_ pin plugs
Message-ID: <m0te58s-0005bAC@island.amtsgi.bc.ca>

> I am looking for octal - 8 pin - plugs to interconnect
> my Heath Big Green Box station (Apache, Mohawk, Marauder).
> /john

Allied Electronics lists the plugs at \$2.50 each. The snap on shell is also
listed at \$2 - \$4 depending on the style.

Antique Electronics has octal tube bases (can't remember how much) that also
work pretty well, but aren't as "traditional" as Allied's stuff.

Jan Skirrow, VE7DJX
dma@islandnet.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: KA9EGW@aol.com
Subject: Re: audio choke
Message-ID: <960121094628_301549998@mail02.mail.aol.com>

I agree they are better used as freq meters; however, I was referring to the
ones out there without a calibration book and/or having had the coil deck
swapped out. I collect BC221's and I can attest that there are some dogs out
there whose usefulness as a freq meter has been destroyed.

Also, Antique Electronic Supply has some small transformers suitable for the purpose.

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: jproc@worldlinx.com
Subject: Battery Adapter Units
Message-ID: <Chameleon.4.01.2.960121081343.jproc@>

Dear BA's,

While searching for some documents, I ran across something which may be of interest. The following company, according to the 1991 data sheets, makes battery adapter units for many of the popular US surplus military radios:

TNM Enterprises
P.O. Box 2330
Anaheim, CA 92814-0330

Since I don't know if they are still in business, I won't bother to list the entire inventory here. Some of the sets listed include the AN/PRC 6,8,9,10,25,28,77,93 series.

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Cathode Interface
Message-ID: <199601211041.CAA03741@desiree.teleport.com>

>All this talk about troublesome 6U8s has gotten me wondering; what is the
>'cathode interface' (or whatever the term is for it) problem? OK, I've heard
>about the effects it causes, but what is the mechanism? Is there some
>gradual migration of coatings or contamination effect within the tube? If so,
>where? Is this inherent to the internal design, or are some tubes unaffected
>based on type of use/application?
>73, John Martin
> jmartin@hrlban1.aircrew.asu.edu

There was an article in a past issue of ER that explained "cathode interface" very well. It was about 2 years ago but I can't remember exactly which issue or who wrote it. There must be someone on this net who knows the content of every issue of ER (Barry?). All I remember is the guy who wrote it had a zero in his call sign and, I think, lived in Colorado. I think I corresponded with him a time or two and probably have his address somewhere in my correspondence archives. I will dig it out if nobody can identify the ER issue I am thinking about.

By far, the best way to answer this is to read that article.

Stan W7NI@teleport.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Clegg Interceptor Works! but needs help
Message-ID: <Pine.3.89.9601211303.A11026-0100000@corn.cso.niu.edu>

I got my Clegg Interceptor working this weekend. Fortunately, there is a VHF contest going on so I could find some signals even with my lousy antennas. I discovered that the rather complex sliderule and rotary dial has too much backlash. I do not know if the dial is a Millen unit, or one imported from the U.K. but would like to take out the backlash. Can anyone on the list give me some pointers on this unit? After this, I have to tackle the P&H transverter and get a 20 meter exciter working. At least I hear people. Onward to 6 meters! My neighbors have watched television long enough!

73,

Steve WA9JML
z931086@corn.cso.niu.edu

p.s. Jack, I sent in my check, and included a bit extra. I suspect that you will win the contest, and get more than 50 checks from the group.

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: neidich@interport.net (Michael Neidich)
Subject: Communication's Receivers Book FYI
Message-ID: <199601220047.TAA08313@park.interport.net>

You may enjoy this book which details all the communication receivers from 1932 to 1981. I have the 2nd edition. Maybe there is a third edition? 115

pp, b&w pix, kinda crude but you get the flavor.

Communications Receivers
by Raymond S. Moore

Info from RSM Communications
PO Box 218
Norwood, MA 02062

I bought my copy at Barry Electronics (212)925-7000 some years ago. I
really enjoyed it.
73, K2ENN

Michael Neidich

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: ER Back issues, where to find?
Message-ID: <199601211401.IAA00970@zoom.bga.com>

As BHall88620@aol.com said

>

> Howdy from Houston all, I finally made it here from Alabama and start work at
> Rockwell on Monday...

Welcome to the great state of Texas, and glad to see you are back.

>

> * About a month ago, I obtained the ER index from the BA archives and was
> wondering if there was someplace I could order the back-issues from? Spotted
> several articles I would be interested in reading. Would ER be popular
> enough to find at a larger library on micro-film/fiche or even in the paper
> form?

Electric Radio is a typical "little magazine." Dearly loved by its
fans, but rarely found in places like magazine racks and libraries.
Barry Wiseman, the factotum of ER, advertised a back issue package a
while back. Get in touch with him and see what he's got.

>

> Now that I will be working and earning cash, I am looking to update my main
> SWL receiver (currently a small Sangean ATS-606 portable) to something more
> along the lines of an honest communications receiver. I had begun saving up
> for a Drake R8A, but then I saw all the messages about R-390A's, how much
> people love them, and the good luck people have had with R-390A's from Fair
> and Miltronix.

>

(lots of questions about R390's deleted).

For an SWL radio, I wouldn't trade my RME-45 even up for an R390 in good condition. For \$800, you can fill a pickup truck with old radios and test equipment. If you want an SWL radio, you want sensitivity and decent filters, but you also want some bandpass and decent audio. There are three comm receivers I can think of that deliver the goods: Hallicrafters SX-28, National NC-200 (and 240), and Hammarlund SP-200/400. Maybe also the Hallicrafters SX-42, although I think of postwar Hallicrafters as a bit lightweight in too many areas. All of these sets have genuine "high fidelity" audio sections, with front ends that can be configured from super-narrow, for selectivity, to fairly broad, from the front panel controls. In the second tier, the RME-45 is quite flexible, and can give good fidelity with the filter switched out, and even with it switched in but in one of the "minimum" positions. I'm told that the RCA AR/CR-88's are good SWL sets, but haven't ever worked with one.

So far as SSB capability goes, I'm not so sure that any radio with an LC oscillator is really going to be stable enough to give consistently good SSB reception. And my feeling about what you can hear on SSB is that if you like listening to rednecks, then listen to SSB stuff. I designed and installed a product detector in my RME-45, and maybe I screwed something up somewhere so that all it gets are rednecks. Anyway, I'm going to rip it back out of the radio and put the thing back to "original," partly for technical reasons, but partly because what it gets is not what I want to listen to.

Some of the mystique about Collins is, to my thinking, a bit overblown. They built perfectly good equipment, and perhaps when you are talking about transmitters, there's some justification for looking at Collins, because they were a broadcast transmitter manufacturer (their first products, and general "bread and butter"). Part of my feelings are similar to the notion that I don't need a BMW for transportation, and that anybody who is going to look down at my GMC pickup is somebody I probably don't want to know, anyway, even before we talk about how many old radios and Tek scopes you can put in a GMC pickup vs. a BMW.

As I recall, you've got an SX-24 that wants attention. I'd really suggest bringing that old-timer back to life, and deciding where you want to go from there.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: bill@texan.frco.com (William Hawkins)

Subject: Re: ER Back issues, where to find?
Message-ID: <9601211815.AA15078@texan.frco.com>

Arrgh, here I am looking for a SSB converter to go with the R390s, and Hank tells me there's nothing out there worth listening to! Most of my (few) attempts at listening have been frustrated by the high ambient noise level. That's with a rooftop antenna. Some of the enthusiasm for ham radio on this list (and from Bob Keys, who left it) almost motivated me to go for a ticket. But the listening experience kills it every time. Ah well, I'm still a fan of the technology, and continue to be fascinated by the way things are built.

Bill Hawkins

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: "Ray L. Mote" <rmote@rain.org>
Subject: Fair Radio and Navy manuals
Message-ID: <Pine.SUN.3.91.960121070646.25493B-1000000@coyote.rain.org>

When calling Fair Radio for manuals on old WW2 Navy systems (ARB, TCS, ATC, RBM, RBO, RCH, etc.), it's not a good idea to use the Navy Type Number (CRV-46151, etc.). Use the Navy Model Letter (ARB) instead. That's what is on the front cover, and that's all they really know about. They don't have access to the list of components you'll find in the BA Archives as ww2.navy.component.01 thru .05, and probably wouldn't want to go tracking through it anyway -- too much effort involved. If your equipment has a nameplate, look below the Type Number and between the two parallel lines for the tiny print that says "A unit of Navy Model such-and-such". Give 'em the Navy Model and they'll be able to find it in their list, if it's available.

73.....Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: GaryReed <deer119@alllinux1.alliance.net>
Subject: get Drake.Mods
Message-ID: <m0tdwWn-000pLfC@alllinux1.alliance.net>

I have tried several time to download Drake.Mods without success. I sent E-mail to listproc@theporch.com. In the body I typed " get Drake.Mods". What am I doing wrong ?
Thanks Gary, WB80FU.

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: "Arthur & Elaine Roberts" <hitech@ionet.net>
Subject: Re: get Drake.Mods
Message-ID: <199601211155.FAA04313@ion3.ionet.net>

Gary,

> I have tried several time to download Drake.Mods without success. I sent
> E-mail to listproc@theporch.com. In the body I typed " get Drake.Mods". What
> am I doing wrong ?
> Thanks Gary, WB80FU.
>
>
try: get boatanchors drake.mods

Art Roberts W1GOM
Norman, OK

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: get Drake.Mods
Message-ID: <9601210944.aa25859@jackatak.theporch.com>

Gang-

Let me try this yet one more time...

> I have tried several time to download Drake.Mods without success.
Let's examine the technique, and please... DO NOT take this as
anything but an attempt to clarify for everyone how easy an error of
omission can be to make and how difficult it is to spot one...

> E-mail to listproc@theporch.com
Good. The first step is correct...

> In the body I typed " get Drake.Mods". What am I doing wrong ?
the software we use is designed managing several lists, each of which
could have an archive for email retrieval...

Thus, the syntax is:

get <list name> <file name>

or in this case

get BOATANCHORS DRAKE.MODS

(The uppercase are there for emphasis... the listproc is case insensitive)

Hope this helps everyone, just a bit.. ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996

From: Andy Howard WA4KCY <102452.362@compuserve.com>

Subject: Re: Gray paint for Viking Ranger Panel

Message-ID: <960121181523_102452.362_DHT93-1@CompuServe.COM>

Gary,

The Johnson Ranger front panel uses a gray paint that you can have custom mixed at any automotive paint store. I have some of it to use for touchup. The one thing that you will have to be sensitive to is that in most instances the maroon will be bleeding through the gray. The panel was painted maroon completely and then the gray was painted on. What happens is the gray has faded and become thin through the years and the maroon has bled through giving the gray a maroon look way down.

The maroon is 1985 Toyota dark maroon with a bit of black added to darken it. I use acrylic lacquer thinned a bit too much in order to eliminate a real glossy finish. This way it looks good but does not appear to be a recent paint job. An old radio needs a good paint job, not a new looking one. I take the gray that I am going to use for touchup and put just a dab of maroon in it to make it match. I usually do the preparation is an artist would - just take a dab and stir it up until it matches.

One of the best skills a restorer can develop is the ability to use a spray gun and mix paint. This is not something that can be done overnight however. I am still learning the ins and outs. I would recommend that anyone contemplating taking up spray painting with a spray gun to cultivate a friend in the body repair business. That way you can have someone to ask for advice when things go wrong. I have a full size Binks spray gun and also a touchup gun. The touchup gun is somewhere between a full sized gun and an airbrush. This small gun is very handy for touchup and small jobs. When it comes to repainting a complete cabinet like something by Johnson I have it sandblasted at the local tombstone engraver. They use sand to cut the letters and it is a very fine grade of sand

that leaves a good surface for painting.

Hope this is of some help to you.

Regards and good luck,

Andy, WA4KCY

AMI #9

SX-88 #323

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996

From: mike <michaels@kc2kj.k2nesoft.com>

Subject: Halicrafters sr-2000 receive agc

Message-ID: <199601211518.KAA32242@kc2kj.k2nesoft.com>

Hello again fellow boatanchorites...

I have a nice working sr-2000 from halicrafters that exhibits very poor receive agc action. The agc works "flat out" (i.e. full gain) until a very strong signal is received when finally the gain is reduced. The effect is to have to ride the agc control continuously. One can watch this effect on the s-meter where the needle refuses to budge until a strong signal comes in.

Any ideas?

I spent a whole day a few years ago trying to solve this problem but couldn't. Said I wasn't going to leave the bench 'till solved. My wife pruned me loose to go to work the next day.

Also, I need the power switch rear switch that mounts on the back of the OPERATION control similar to the switch that mounts on the s-line power switch (which does not work). Thanks again

Mike

kc2kj

--

Michael Sullivan --- michaels@kc2kj.k2nesoft.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996

From: arther.dent@smtp.prostar.com

Subject: Hallicrafters S-52

Message-ID: <199601220153.TAA01897@uro.theporch.com>

what a day.....

today was the Jan. meeting of the Puget Sound Antique Radio Assn. and there were some good buys to be had.

lets see.....

- 1) a Heath SB-101 transmitter for 100 dollars very nice cond.
- 2) a Hammerlund SX-129X also for 100 dollars superb/beautiful cond.
- 3) an Echophone EC-1A in very nice original cond. i didn't ask the price

4) a Hallicrafters S-52 unchecked for 50 dollars

well i bought the S-52 Halli. it's not to bad all points concidered.
it's all there, and i figure that's half the battle. the price was right
too, i was able to get it for the wallet busting sum of 27 bucks.
it does though need to be completly cleaned out and checked. for the price
though i can't complain if it needs to be totally gone through.
now between that and the comet pro i should be busy for the rest of this
winter, and have no excuse to buy anymore BA's (GRIN).
will keep everybody updated.....mike.....KB7VNT

i transmit therefore i am.....

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: jproc@worldlinx.com
Subject: RE: Hammond, LA Hamfest Report
Message-ID: <Chameleon.4.01.2.960121015055.jproc@>

Joseph,

>A pair of CPRC-26s (a Canadian mil tactical set of the 50s - they went
>home with me)

Welcome to the CPRC26 club. These were made for the NATO forces by
Philips and Rogers Majestic. When you take the unit apart, you will
notice that there is absolutely NO wasted space on the chassis and this is
the only piece of gear that I have ever seen with metal, 7 pin minature
tubes. My manager at previous job, was chief desiger at Rogers during the
1950's and he told me an interesting quality control procedure. Every
hundreth unit would be pulled from the production line and was dropped on
each if its 6 faces from a height of six feet. It was then immersed in a
tank of water several feet deep and checked for water leakage and operation.
How's that for a waterproof, rugged design?

Canadian destroyers carried a complement of 3 units for use during jackstay
transfers, refuelling and docking which were among several of numerous
applications. I have managed to acquire two units so far. One unit is
complete, less battery. The other is missing the antenna and crystals. How
much did you pay for yours? Fair was selling these for around \$22 with
antenna and handset in 1994. Since I did not have an example, I decided to
purchase from Fair. By the time shipping, rate of exchange, taxes and
brokerage was added, it cost me C\$56 to have it arrive at my doorstep. The
second unit, much more complete, was donated by a ham in London, Ontario.

Do you plan to get your CPRC26's to function? Not sure of how well 300 mw works on 6 meters. Are your units equipped with crystals? If you need doc's for the CPRC26, I have them.

Regards,

~~~~~  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida, Toronto Ontario  
~~~~~

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: Bill Meara <w.meara@server1.codetel.net.do>
Subject: Help! Defiant VOX circuit!
Message-ID: <9601211335.AA14960@server1.codetel.net.do>

My HW-101 is mocking me. "Anchorologist HAH!" I still can't get the very simple VOX delay circuit to work on CW. When I start sending, all is well, but after a few words of CW, the relay starts dropping out between letters. The circuit is very simple: A 12AT6 VOX amp driving a 6EA8 relay amplifier.

The delay circuit is a RC network in the grid of the 6EA8 - all of these components check out OK. They are such obvious suspects that I went in and changed the capacitor and substituted a new 10 megohm resistor - no luck!

I've tried swapping out various combinations of tubes. No help. I went into the rig yesterday for further investigation. The voltages on both tubes appear to be OK. Any ideas?

BTW: Where do I send my 12 bucks?

73 de N2CQR/HI8
w.meara@codetel.net.do

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: morriso@vifp.monash.edu.au (Morris Odell)
Subject: Impedance matching
Message-ID: <199601210648.RAA00409@vifp.monash.edu.au>

Hi,

>On Fri, 19 Jan 1996, Chris Galbraith wrote:

>Here's one that I haven't quite grasped...a simple phenemonon. Low
>impedance sources (Low-Z mics, transistors) can't drive high impedance
>inputs (tube mic preamp). How come? Is it just a matter of the
>mis-matched impedances causing kinks in frequency response? I thought
>low-z sources are supposed to be able to drive everything (like why they
>use 500/600 ohm stuff in pro broadcast--long lines and all).

>

>I ask this in hopes of finally 'getting' the whole impedance thing. It
>never 'quite' seems to hit me as anything more than resistance.

"Getting" the whole impedance thing is, like a lot of other things in electronics, a little more complex than it seems (no pun intended). The Z for impedance is just that, complex - it contains reactive components. In the case of a crystal mike the equivalent circuit is a voltage generator with a High Z in series which looks like an almost infinite resistance in series with a capacitance of the order of 100 pf or so. In order to achieve a match that will minimise the "zero" frequency, ie: the frequency at which low frequencies roll off, the mic must face a resistance which is much higher than the capacitive reactance of that capacitor at the lowest frequency of interest. Since capacitive reactance rises with decreasing frequency, the load must be a high resistance.

The converse is true for low-Z dynamic type microphones which look like a current generator in series with a low resistor and an inductor. In order to maximise the upper "pole" frequency the device must look into a current sink, or low resistance.

In neither of these cases is the maximum power transfer case applicable. The "maximum power transfer theorem" states that maximum power transfer occurs when the source and load have the same resistance and equal and opposite reactances (conjugate matching). This corresponds to what we hams think of as "resonance" - not a desirable feature in an audio device meant to broadband. It can only occur at one frequency and would result in horrible frequency and phase response variations. Fortunately power transfer is not primarily important at these levels.

I hope this wasn't too complex for you :-)

73

Morris VK3DOC
morriso@vifp.monash.edu.au

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: Info on EFJ Invader?
Message-ID: <Pine.OSF.3.90.960121152157.26562A-100000@govonca2.gov.on.ca>

Friend of the fellow who sold me 1.5 EFJ Ranger II rigs has contacted me so see if I had interest in a EFJ Invader he has available (we're clearing the warehouse!! kind of thing).

BTW, I do love those Heath and Johnson 'tribal' names.

Anyhow, those you wish to, and can, are invited to let me know their impressions of the Invader. I'd like to know, so I can tell him if I am going to go for a drive and see the thing and perhaps invite it home to live in harmony with the other 'tribe members'.

I don't think I am looking at it for AM (Apache or Viking II will do that), nor does it have 160m. (see Viking II above) which is too bad. Nope, just as another nice example of old nice stuff, and I can use on cw probably or perhaps on the odd local ssb ragchew local club net when unhurried.

As always, thank's for the education from the List, and for your efforts. Appreciated.

Brien
Toronto

pepperb@gov.on.ca

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Re: Knight T-150 question
Message-ID: <Pine.3.89.9601211357.A10435-0100000@corn.cso.niu.edu>

The T150 uses a form of controlled carrier screen modulation. If I remember my old Knight T-60 correctly, you can get slightly more than one fourth of your normal CW output power. It tends to go up a bit on audio peaks. Screen modulation uses much less audio power, but the result is a loss of efficiency, and it works the finals harder in my experience. Others on the list probably have more expertise in this area than I. If you need more information, let me know and I will look up the T-150 in one of my old Allied Radio catalogs.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: lkayser@WorldLink.ca (Larry Kayser)
Subject: Lurkers, Sandbaggers and things on this reflector
Message-ID: <9601220432.AC13551@beacon.WorldLink.ca>

My CW sked on 40 is late this morning, so I will entertain myself by commenting on this issue. My comments are for all but especially for those who choose for one reason or another to limit their participation in this wonderful facility.

Recently I posted a request for help with obtaining a 304TH tube socket on here, one of the replies received was from someone who told me he had never made a comment or a reply to anyone before. I was very glad to get his reply and the information he gave me changed my approach to one element of the design issues for my new amplifier. When I asked about his retisence, he commented that his amateur radio experience was very limited.

I have pondered this, and if my CW sked doesnot show pretty soon this is going to be a long winded item, and concluded that I might offer a way to view this concern from a different perspective.

My feeling is that my greatest concern about knowing something on any particular subject is that I might know something that is wrong. This could be by either learning something wrong, or only getting part of the story and making a wrong conclusion, or just plain forgetting part of the facts. IF SOMEONE CORRECTS ME WHEN I AM WRONG, MY KNOWLEDGE BASE BECOMES MORE ACCURATE, MY CONTRIBUTION BECOMES MORE APPROPRIATE AND COMPLETE. THIS GOES FOR EVERYTHING WE DO IN LIFE.

By now your really hoping that my schedule contact shows up on 7030 aren't you???

The correction of wrong information might come in a way that hurts or makes you beel bad, that is a risk you take, but I offer that the knowledge gained can be far more valuable than the risk taken.

I offer that the 800 plus readers of boatanchors have far more value than the simple [cumulative minus duplicate] information that everyone has. By sharing either publically on this forum or by private message this group represents the equivalent of many many thousands of individuals. In the end each should share when and in the way that they feel most comfortable. The real issue is that the terrible long term effect on everyone of "knowing" something that is wrong is reduced, this is possibly the greatest overall value of boatanchors either before or just after the new knowledge that can

be gained from the group.

I hear a "tunerupper" on 7030.5 cul

de Larry
va3lk / wa3zia

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996
From: GaryReed <deer119@alllinux1.alliance.net>
Subject: Matching Ranger Gray Paint
Message-ID: <m0tdvD0-000pLiC@alllinux1.alliance.net>

Just got my first Johnson Ranger II on the air and its working great. I have a couple of small nicks on the top edge. Has anyone found a match for the light gray paint used in this area? Also is there a collection of info on the Ranger available. I thought there was to be a Ranger FAQ?????? Thanks
WB80FU Gary

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996
From: whittyd@nbnet.nb.ca (Don Whitty)
Subject: Max Powell
Message-ID: <9601212253.AA34865@darwin.nbnet.nb.ca>

I'm glad to see I am not Mr. Powell's only satisfied customer!

He treats everyone the same. Love my HRO 60 and Ranger!

Don Whitty
VE9XX

Don Whitty

New Brunswick Community College
Miramichi Campus
Miramichi, NB
Canada
E1N 3W4

,-----,
 /
 0 /
 | -/
~~~~~

"Fish the Mighty Miramichi!"

whittyd@nbnet.nb.ca  
(506)778-6632 (vox)  
(506)778-6690 (fax)

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: jproc@worldlinx.com  
Subject: Max Powell Surplus  
Message-ID: <Chameleon.4.01.2.960121033133.jproc@>

Dear BA's,

In a recent posting by Don Whitty about Max Powell Surplus, I followed up and contacted him. He sells from both Florida and Newfoundland although the bulk of the business is done in Florida. Currently, he doesn't have a published inventory, but he's working on it. (If anyone is looking for a Loran receiver indicator, R-65/APN-9, then Max has it).

For anyone wishing to make enquiries, Max can be contacted in Florida at :

Phone (305) 745-2928  
FAX (305) 745-9156

Regards,

~~~~~  
Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida, Toronto Ontario
~~~~~

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: Don Reaves <dr@cei.net>  
Subject: Re: Max Powell Surplus (Ocean Resource Industries)  
Message-ID: <Pine.3.89.9601211534.A20243-01000000@kc5jh.reaves.net>

I also followed up on Max Powell Surplus, faxed him a list of wants, and he came through with a Ranger for me. It needs painting, but it is exactly as Max described it, complete and working, with a little panel rust from being stored for years in a basement. This one was shipped from Key West, Florida, and by some miracle the rather flimsy packaging survived UPS. One lead from the large electrolytic cap. under the chassis popped loose, probably from a mechanically weak solder joint and transit shocks. Nothing else got broken, thankfully. Next time I will ask Max to double box the package.

Our entire transaction was conducted by fax machine, except for the check I mailed. His call is V01HH, and he sent me a note that he would have a couple of tables at the Miami hamfest in Feb.

This is his U.S. mailing address:

Ocean Resource Industries Ltd.  
#561, 819 Peacock Plaza  
Key West, FL 33040

I'm a satisfied customer.

---

Don Reaves KC5JH dr@cei.net  
46 Arbor Oaks Drive  
N. Little Rock, AR 72120

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: "R. Dennis Gibbs" <dgibbs@rational.com>  
Subject: Metal Polish recommendations?  
Message-ID: <Chameleon.4.01.960121182834.dgibbs@>

Greetings all,

I'm right in the middle of an R391/URR restoration. I've removed the back panel, and several of the modules. Now that I have access to much of the mainframe's metal surfaces, I would like to clean and polish the surfaces.

What is recommended for polishing the bare metal surfaces? What products exist out there, and where might they be obtained?

Dennis Gibbs  
dgibbs@rational.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: Andy Wallace <wallace@mc.com>  
Subject: Nashua NH antique flea  
Message-ID: <9601210526.AA22557@kali>



Well, it was a light showing today! We had WICKED hard rains, wind, and FOG last night. It cleared up by 11 p.m. but maybe some dealers were afraid of more of the same today -- the place was 3/4 full.

I didn't spend much. Books purchased:

HOW TO USE GRID DIP OSCILLATORS, Rufus P. Turner.

SAGA OF THE VACUUM TUBE, Gerald F. J. Tyne.

70 YEARS OF RADIO TUBES AND VALVES, John W. Stokes.

HOW TO MAKE THE MOST POPULAR ALL WAVE 1 AND 2 TUBE RECEIVERS, Gernsback Educational Library No. 2 (Megadyne, Beginner's "All-Electric" One-Tube, "Four-In-Two" All-Wave, Super-regen Single Tube Loudspeaker Set, Portable 2-tube Battery Set, Beginner's One-Tube All-Wave Battery Set... Most of these look like ones appearing in the Lindsay Publications Radio Craft reprints...

HOW TO BECOME A RADIO AMATEUR, ARRL (1957). Includes a 2x6AQ5 regen rx and one-6DQ6A glowbug transmitter.

COLLINS SIGNAL magazine, October, 1946. Includes an announcement for the 30-K ham transmitter and an ad for the 75-A (were there any sold?) receiver.

I said hello to Rhyne Killian, Chris Sieg, and Mike and Cynthia Crestohl, nice to see BAers in person! Chris delivered the Wireless Set No. 19 to me from his Hillsboro NH store (before anyone asks, 1-603-464-5625). Did not charge me a delivery fee, either. :-). So maybe I'll be crazy enough to get it on the air, but for right now I will shine it up as a curiosity. (The supply for the ARC-5 pair will come first.)

Also found a few ham crystals -- 7006.667, 3706, and 3709.

Lindsay Pubs is 815-935-5353, fax 935-5477, lotsa good glowbugging books.

One book I saw was DeForest: the Man who Conquered Space (I believe that was the title). Published in 1930. I meant to buy it on another go-round but either the dealer packed up or it was sold.

See ya!

73,

--Andy

wallace@mc.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: k1oik@ccsnet.com  
Subject: Re: Newsgroups...  
Message-ID: <TCPSMTP.16.1.21.6.20.38.2644608140.3038442@ccsnet.com>

FI>I have had WAY TOO MUCH of the bickering and administrivia on the  
FI>list!

FI>ENOUGH!!!!!!!!!!

FI>--

FI>73

FI>Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

FI> - - - BoatAnchor Mailing List Archiver/Owner - - -

FI>firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

It is curious you do not like bickering as I see you as the author of  
some of the longer "bickers."

For those devoted to BA \$12 is cheap but I bet you get less than \$50  
actual checks.

Because:

1. Hams are cheap.
2. Why pay when there are so many other places to go that are almost as good.
3. Newcomers will die off..

I also see you complain how much time it takes to run this list. I know  
most SYSOPS on packet and phone BBSes also use a lot of time but they do  
not complain. But they do appreciate DONATIONS and kind words.

/.-./ .-./ .-./ .-./ .-./ .-./ .-./ .-./  
/--Burt Fisher K10IK-----/---\---/---\---/---\---/---\k1oik@ccsnet.com\  
/.-./ .-./ .-./ .-./ .-./ .-./ .-./ .-./

=====  
<http://www.ccsnet.com>  
<telnet://ccsnet.com>  
Cape Cod's Internet Address  
=====

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: k1oik@ccsnet.com  
Subject: Re: Newsgroups...  
Message-ID: <TCPSMTP.16.1.21.10.50.26.2644608140.3039274@ccsnet.com>

HA>I believe that your \$50.00 has been far exceeded already. So I guess the  
HA>Non-Cheap ham's are here. The cheep ones are lurking the news groups.

HA>Kevin Pease  
HA>WB0JZG Mount Juliet, TN.

I made a major error in my message.  
I meant 50 checks.

Burt Fisher  
K10IK  
=====  
<http://www.ccsnet.com>  
<telnet://ccsnet.com>  
Cape Cod's Internet Address  
=====

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: k1oik@ccsnet.com  
Subject: Re: Newsgroups...  
Message-ID: <TCPSMTP.16.1.21.-16.16.0.2644608140.3040210@ccsnet.com>

FI>> It is curious you do not like bickering as I see you as the author of  
FI>> some of the longer "bickers."

FI>Perhaps, a point well taken, but after four years of dealing with the  
FI>list in one way or another, I know that one must draw a picture as  
FI>well as tell someone what you are going to tell them and then tell  
FI>them, and then tell'em what you told'em... or they just don't get it.

I must admit you are totally right. I posted a for sale message that  
said right on the top DO NOT RESPOND to me, they responded to me.  
I might not have believed it but I got your point loud and clear.

FI>> For those devoted to BA \$12 is cheap but I bet you get less than \$50

FI>> actual checks.

FI>Actually, the response has been amazing... Phil has received the  
FI>majority, but some have sent there checks here, and I have several \$12  
FI>and four for \$24 to either pay for someone specific or to offer a  
FI>"scholarship" to someone who really can't afford the list... one for  
FI>\$50 and one, from a \*NON\* subscriber for \$100!

I meant 50 checks not \$50. Anyone can afford \$12 if the can be here in  
the first place.

FI>> 2. Why pay when there are so many other places to go that are almost as  
FI>> good.  
FI>Just curious, but where else?

I come here for intelligent conversation, there are other places  
although not many ham related. But I will give the point on this one.

FI>I think the mention is because people take the admin functions totally  
FI>for granted without having a clue of what is involved. I think  
FI>spending 4-6 hours a day is worthy of mention as effort, don't you?  
FI>;^)

That is A lot of effort and time.  
I know it is not easy in ANY way.

Burt Fisher

K10IK

=====

<http://www.ccsnet.com>

<telnet://ccsnet.com>

Cape Cod's Internet Address

=====

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996

From: "Allan Fritsche" <[fritsche@msn.com](mailto:fritsche@msn.com)>

Subject: Rainy Sunday In Houston

Message-ID: <UPMAIL03.199601220103050091@msn.com>

Bad weather in Houston today, so I got around to repairing or basically cleaning my SX-101 MK3. Every thing works O.K. and it seems pretty sensitive, But I'll probably want to align. I have the manual for the SX-101A that Chris Sieg sent with the rig, (wrong Manual) the tube lineup is different Plus I don't think that the MK3 had a product detector in it, as there is a 6c4 in place of another tube that did that function. A 6c4 is just a triode so couldn't have provided that function. At any rate, UPS banged up the case on one corner, upper left, I hammered it back straight and when the metal split had to bondo and sand. I left it tonite to dry with a layer of primer coat on it. What a mess. Now my questions: Does anyone have a manual for the SX-101 MK3

that I would gladly buy or pay for copying and mailing costs. Next the color of the rig appears to be Black and Silver, Am i wrong, I am Color blind from years of working on backplanes at AT&T and Bell with little lite, I always wondered about the fact that we had Mucho lites in front but none in the back where all the problems seemed to be.

I gave up on trying to find an original Glass enclose Calibration tube for this rig and manufactured one from an octal base and a standard crystal and old millen coil cover, looks pretty good, at least to me.

Ive got a speaker coming from San Antonio to match with rig, R-46, so I'll guess I'll wait to see what it takes to paint and make everything match.

I guess thats enough, How I spent my Sunday in Houston. on 1-21-96.

Al  
fritsche@msn.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: JIM GARLAND <GARLAND@MPS.OHIO-STATE.EDU>  
Subject: Re: Ranger II touch-up paint  
Message-ID: <01I09TVVPQ0Y8WX8G0@MPS.OHIO-STATE.EDU>

Hi Gary,  
Funny you should ask. A couple of months ago I finished restoring my Ranger II and needed to touch up the panel. I found a ham who worked at a local paint store, and the two of us spent 1.5 hours one afternoon color-matching the panel. (Matching by hand works better than using the computer-matching technique used by most paint stores, but takes experience and time.) As a result, I've got a quart of each of the front panel colors and would be happy to give you some, or anybody else out there who needs some for their Ranger II or Valiant II. In anticipation, I'll pick up some small glass bottles. I also have some Central Electronics 600L front panel paint.

73,

Jim W8ZR  
(Columbus, OH)

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: n5off@w5ddl.aara.org  
Subject: Rare 390A's at Fair Radio  
Message-ID: <280017@w5ddl.aara.org>

I got a note today from a man who will remain nameless (lest you guys try to buy this rig off of him) that ordered a 390A from Fair. When it showed up, it was a 1968 Dittmore-Friemuth make. These were the latest ones (except for the 5 Fowler units) and they only made a couple of hundred.

I think Fair frowns on cherry picking, so good luck trying to replicate this pick, but hey, maybe its worth a call.

73 de tom

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: Sandra L Knepper <slkst29+@pitt.edu>  
Subject: Sick KWM-380  
Message-ID: <Pine.3.89.9601211150.E22988-01000000@unixs7.cis.pitt.edu>

I have a sick KWM380 in which the problem can be traced to the control board and one of the synthesizer boards. I wonder if anyone out there may have any boards that they would sell or a KWM-380 that I could buy to get those boards. Thank you.

Dave, W3BJZ  
Publisher of the Collins Journal

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: dt@scotborders.co.uk (David Topham - Arts & Science)  
Subject: Re: Strange bottle, sans fire  
Message-ID: <9601211500.AA14467@scotborders.co.uk>

Wally Gibbons said:

>I was going through box's of old toobs... ... I found a octal based GT style glass cased rf transformer.

Whilst not being able to add further on this particular device, I too have a

fireless firebottle here. It is a 4-pin UX base device with \*no\* wires going to the pins. Inside is a quartz plate. Scratches head vigorously....

..what it is is a frequency meter. The bulb contains neon gas. When you put the device in the correct frequency (approx 3.5Mc/s) RF field, glows start from the crystal edges. Anyone else seen one of these?

73, David Topham GM3WKB dt@artscience.scotborders.co.uk

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: jproc@worldlinx.com  
Subject: Re: Strange bottle, sans fire  
Message-ID: <Chameleon.4.01.2.960121022630.jproc@>

> I too have a fireless firebottle here. It is a 4-pin UX base device with >  
> \*no\* wires going to the pins. Inside is a quartz plate.

David,

There are indeed, electronic components encased in unusual packaging. In my KW2000 transceiver, there is a 456 khz crystal mounted in a 7 pin, glass tube enclosure. It's made by Brookes Crystals but I don't know its function without ripping the set apart and tracing the circuit.

Regards,

~~~~~  
Jerry Proc VE3FAB
E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida, Toronto Ontario
~~~~~

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: JIM GARLAND <GARLAND@MPS.OHIO-STATE.EDU>  
Subject: Surplus Sales of Nebraska/Fair Radio Sales  
Message-ID: <01I09UAY9IVS8WX8G0@MPS.OHIO-STATE.EDU>

Here's an experience I had recently, offered without editorial comment. I needed a 6kHz filter for my 51S1. Surplus Sales of Nebraska advertises them for \$395. I found one at Fair Radio sales for \$40. Same filter, new condition.

Jim W8ZR

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: KC5IJD@aol.com  
Subject: Re: Surplus Sales of Nebraska/Fair Radio Sales  
Message-ID: <960121195648\_123262338@emout04.mail.aol.com>

>Here's an experience I had recently, offered without editorial comment. I  
>needed a 6kHz filter for my 51S1. Surplus Sales of Nebraska advertises  
>them for  
>\$395. I found one at Fair Radio sales for \$40. Same filter, new condition.

The AM filter for the 51S-1 is the same filter that is found in the  
Collins 618T transceiver AF amp module.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@aol.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: jaw@alpha.wcoil.com (Juergen Waldick)  
Subject: SW Portables FS  
Message-ID: <199601212155.QAA29146@alpha.wcoil.com>

I am looking to trade 2 SW portables:  
RCA 3 BX 671  
Letherette case with flip up world map  
7 Band sw, telescoping antenna  
with optional remote antenna  
includes the spare set of tubes that were included with the unit when new..  
AC/Batt

PHILCO 46-350  
Letherette and wood case with roll-top type cover for the dial and knobs  
AM  
AC/Batt

Am looking for T0's, prefer G-600 or G-500 type, but will consider any T0 in  
nice shape....in trade/partial trade/etc

Tnx



J.Waldick KB8LKX  
Thanx and God Bless

Juergen (KB8LKX)

jaw@alpha.wcoil.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: Sandy Blaize <70401.134@compuserve.com>  
Subject: SX-100 knob needed..  
Message-ID: <960121234553\_70401.134\_IHD119-1@CompuServe.COM>

Does anyone have a junker SX-100 out there? I need a bandswitch knob for one.  
73,  
Sandy W5TVW

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Thanks, Al  
Message-ID: <UPMAIL03.199601220304430927@msn.com>

Thanks for your reply, I agree that the sx-101 is a pretty good receiver, In fact I spent four years of my life in the late sixties working on R-390's and I think the humble Halli does a better job, at least on the Ham Bands. Without a proper schematic what is the 6C4 doing.

Thanks  
al  
fritsche@msn.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: lkayser@WorldLink.ca (Larry Kayser)  
Subject: Transformerless HF AMP and my Father  
Message-ID: <9601220432.AB13551@beacon.WorldLink.ca>

Back when the world was young for me, just after Korea was finished being the news of the day and Chevy had finally sent out the first V8 engine, I was into SSB on 75 meters. Us kids were big into seeing who could have the most 6ag7's in parallel and push 750 V to 1 Kv or more to them. I serious sneeze could cost you \$2. for a new set of tubes!

At this time I was given some very serious seleium rectifier stacks that had

very high voltage and high current capabilities. At the same time 660V AC capacitors came on sale at 5 or 8 for a \$1. I built a voltage quadrupler power supply up and hooked it up to the 6ag7's. The output impedance of the amplifier was such that a wax filled .001 ceramic capacitor was all I needed into the antenna of the day. We had fun on 75. The neighbours TV sets did not have as much fun.

My father finally became concerned enough at the local complaints to come into the basement and see what was going on. Dad was not an amateur but he understood circuit design well enough. He took a look at the 6ag7 amp, carefully looked at the circuit, including the nice direct connection to the AC fuse box and then asked me to shut it off and come up stairs for a chat.

I knew by the way he looked at the rig that I had stepped way over a boundary.

We went up stairs and he sat me down and we had a talk about safety. He presented his requirements for safe radios in just a few minutes and I was sent to the basement to disassemble the amplifier, which I did with all possible haste. Dad did not speak often, when he did I listened. The thought that my mother might find out that the radio setup was unsafe was enough to get my quick co-operation.

On the following Saturday afternoon, my dad and I went to visit an old warehouse his company owned and I helped him disassemble and lug home in his '52 Chevy an old 1 Kw broadcast transmitter and the associated spare parts. The old Kw was back on the air on 3.7 Mc in just a few weeks, about 2 or 3 times the power out of the 6ag7's, the neighbours were just as upset as before, but the thing was safe. I was taught the "keep one hand in your pocket" routine, which if you do now know what I mean could be the subject for another story.

Direct AC operation might be OK for some people, but there is just too much potential (pun intended) for arriving 40 years early in the next world.

Same goes for B+ on the headphones of old National RX's.

One of my best investments some years ago was a 1 KW 1/1 AC Isolation transformer which keeps any "condition unknown" radio from introducing me to the instant reminder of that discussion with my father so long ago.

Enough said about transformerless radios?

Larry  
va3lk wa3zia

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996

From: Sandra L Knepper <slkst29+@pitt.edu>  
Subject: UNIX System  
Message-ID: <Pine.3.89.9601210701.B24596-0100000@unixs4.cis.pitt.edu>

Since I am not too familiar with the Unix System, I need a little help.  
How can I save messages on my hard drive or diskette. Also the only way  
I get a hard copy is to type the command, Print, and then retrieve the  
message from the university computer laboratory. Why can't I save these  
boatanchor messages and then print to my local printer.

Also how can I dump a message from my A drive to boatanchors (Unix).  
Thank you.

Dave, W3BJZ

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: Art Moe <artmoe@agora.rdrop.com>  
Subject: USENET vs LIST  
Message-ID: <Pine.BSF.3.91.960121082941.22615A-1000000@agora.rdrop.com>

I have been reading this for a few days/weeks and CAN'T believe that some  
of us would rather go to USENET. Let me ask those of you that want to go  
if you have ever looked at the articals on more than one server? Well I  
have, the two that I subscribe to and my employers, and all I got to say  
is that that on any given day there will be articals on one that are not  
on the other. Most of the time they never show up. Lets face it we will  
get what we pay for.....

art

---

73's de  
Arthur Moe Oregon City, Or  
A.R.S. KB7WW 45-19-22 N 122-36-37 W CN85  
artmoe@agora.rdrop.com At the end of the Oregon Trail

QRP ARCI QRP-L #290

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: Cormac Thompson <cormac@televar.com>  
Subject: VIKING RIG CHIRP  
Message-ID: <31025B12.1F42@televar.com>

I'm new at this posting stuff so hope I get this right!

I have been fighting chirp in a Viking Navigator and Valiant for some time. Tubes, electrolytics and adjustments all yield no results. I have a Ranger which, from its looks, has had a long hard life and it's clean as a whistle!

Any ideas on where to look next would be appreciated. Thanks.

Cormac Thompson, W7JHS  
Prosser, WA.  
cormac@televar.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: CHARLES HETT <75066.3711@compuserve.com>  
Subject: Re: VIKING RIG CHIRP  
Message-ID: <960121192053\_75066.3711\_CHI27-1@CompuServe.COM>

Cormac,

I have the same observations with my Valiant. My Ranger is pretty good too as far as chirp is concerned. I have compared the schematics of the two rigs and noticed that there is a difference in the way the VFO buffer amp/oscillator tube is keyed. The Ranger appears to be grid block keyed with perhaps a little delay. I don't think the buffer/osc in the Valiant is keyed at all (on all the time) The multiplier stage following it is however keyed. I wonder if this may explain the difference. By the way, I also happen to have a schematic of the Valiant II and it looks the same in this area as the Valiant I.

If someone gives you the solution, I would be interested in getting a copy of the results.

Charlie k0thn  
75066.3711@compuserve.com

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: David Stinson <72227.1640@compuserve.com>  
Subject: Wanted: J-36 for parts.  
Message-ID: <960121182257\_72227.1640\_EHM118-11@CompuServe.COM>

I need a J-36 bug for parts. Specifically, I need the screw that holds the speed weight on the bar. Lionel OK, prefer Vibroplex. Thanks.  
Dave Stinson AB5S/7  
72227.1640@compuserve.com

From boatanchors@theporch.com Sun Jan 21 22:56:08 1996  
From: Chris Prussing <>  
Subject: WTB/Trade For National NC100X  
Message-ID: <Pine.SOL.3.91.960121180020.261A-100000@moose>

Still seeking the elusive National NC100X in cosmetically restorable condx (need not work). This is the PW (indirect reading)dial model with the hopefully not too faded red front panel trim. Have to trade SX-28, SX-62, SX-42, Sx25, National 1-10,others, or will pay \$\$\$.  
TKS Jim Dillon WL7CMQ.e

From boatanchors@theporch.com Sun Jan 21 13:44:36 1996  
From: David Stinson <72227.1640@compuserve.com>  
Subject: WTB: J-37 Keys  
Message-ID: <960121182100\_72227.1640\_EHM118-10@CompuServe.COM>

Need two J-37 keys in good/complete condition for  
WW-II aircraft station restorations. Thanks.  
Dave Stinson AB5S/7  
72227.1640@compuserve.com